

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111721\
 Data File : VV023565.D
 Acq On : 17 Nov 2021 12:49
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 18 00:13:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 02:49:39 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	114330	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	112507	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62721	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	46570	6.502	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	130.000%
7) Chloroethane-d5	1.564	69	34996	5.995	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.000%
11) 1,1-Dichloroethene-d2	2.108	63	79912	5.960	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	119.200%
20) 2-Butanone-d5	3.908	46	57874m	46.902	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.800%
24) Chloroform-d	4.346	84	79198	5.189	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	5.030	65	36702	5.347	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.000%
32) Benzene-d6	5.047	84	157499	5.456	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.200%
36) 1,2-Dichloropropane-d6	6.069	67	42372	4.986	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.313	98	154358	5.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.200%
43) trans-1,3-Dichloroprop...	7.622	79	17601	5.462	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.200%
46) 2-Hexanone-d5	8.091	63	60986	51.442	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.880%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31005	5.074	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	54423	5.211	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	49184	4.412	ug/L	98
3) Chloromethane	1.240	50	40144	4.235	ug/L	95
5) Vinyl chloride	1.307	62	43619	4.608	ug/L	100
6) Bromomethane	1.519	94	27402	4.528	ug/L	96
8) Chloroethane	1.584	64	26360	4.825	ug/L	99
9) Trichlorofluoromethane	1.751	101	71912	5.056	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	36282	5.067	ug/L	97
12) 1,1-Dichloroethene	2.114	96	33247	4.876	ug/L	87
13) Acetone	2.191	43	42418m	56.259	ug/L	
14) Carbon disulfide	2.291	76	108654	4.223	ug/L	99
15) Methyl Acetate	2.439	43	11935m	5.593	ug/L	
16) Methylene chloride	2.503	84	48834	4.908	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	75421	5.025	ug/L	95
18) trans-1,2-Dichloroethene	2.757	96	38579	4.603	ug/L	97
19) 1,1-Dichloroethane	3.188	63	68859	4.866	ug/L	97
21) 2-Butanone	3.989	43	63752m	52.299	ug/L	
22) cis-1,2-Dichloroethene	3.908	96	40804	5.059	ug/L	# 86
23) Bromochloromethane	4.246	128	17765	4.776	ug/L	84
25) Chloroform	4.375	83	74699	4.952	ug/L	99

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27) 1,2-Dichloroethane	5.130	62	38925	4.852	ug/L	97
29) 1,1,1-Trichloroethane	4.606	97	68319	5.000	ug/L	99
30) Cyclohexane	4.674	56	56071	4.579	ug/L	97
31) Carbon tetrachloride	4.825	117	62603	5.101	ug/L	96
33) Benzene	5.098	78	153854	4.893	ug/L	100
34) Trichloroethene	5.911	95	40733	4.871	ug/L	98
35) Methylcyclohexane	6.130	83	62396	4.727	ug/L	95
37) 1,2-Dichloropropane	6.172	63	34772	4.737	ug/L	98
38) Bromodichloromethane	6.510	83	49266	5.008	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	53067	5.026	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	187092	54.950	ug/L	96
42) Toluene	7.387	91	173822	5.168	ug/L	96
44) trans-1,3-Dichloropropene	7.651	75	45054	5.142	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	25923	4.915	ug/L	95
47) Tetrachloroethene	7.976	164	36358	5.017	ug/L	98
48) 2-Hexanone	8.143	43	137908	57.804	ug/L	98
49) Dibromochloromethane	8.246	129	34949	5.229	ug/L	98
50) 1,2-Dibromoethane	8.352	107	24447	5.001	ug/L	98
51) Chlorobenzene	8.882	112	111557	4.990	ug/L	98
52) Ethylbenzene	9.011	91	178440	5.030	ug/L	99
53) m,p-xylene	9.136	106	69566	4.997	ug/L	94
54) o-xylene	9.545	106	67669	5.181	ug/L	98
55) Styrene	9.561	104	116786	5.220	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	29159	5.045	ug/L	100
59) Bromoform	9.731	173	18539	4.949	ug/L #	97
60) Isopropylbenzene	9.931	105	184548	5.127	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	20618	4.949	ug/L	95
62) 1,3,5-Trimethylbenzene	10.538	105	153332	5.138	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	152660	5.139	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	93076	5.061	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	91876	4.892	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	83212	5.057	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4273	4.814	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.644	180	73103	5.077	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	54947	4.765	ug/L	99
71) Naphthalene	13.503	128	75444	4.437	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	49033	4.860	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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